

Complete if Known

(Use as many sheets as necessary)

MAR 31 2004

Application Number	10/681,020
Filing Date	October 6, 2003
First Named Inventor	David Joe Steele
Art Unit	3672
Examiner Name	Not Assigned

Sheet	1	of	3	Attorney Docket Number	HES 2001-IP-005305 (1391-45100)
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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		County Code ² -Number ⁴ -Kind Code ⁵ (if known)				
<i>a</i>	AA	GB 2 385 078	08/13/2003	Baker Hughes		
<i> </i>	AB	GB 2 371 578A	07/31/2002	Baker Hughes		
<i> </i>	AC	EP 0 841 510 B1	01/09/2002	Matsushita		
<i> </i>	AD	EP 0 841 510 A1	05/13/1998	Matsushita		
<i> </i>	AE	EP 0 697 315 A3	04/15/1998	Daewoo		
<i>~</i>	AF	EP 0 697 315 A2	02/21/1996	Daewoo		

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

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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/680,020
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				First Named Inventor	David Joe Steele
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				Examiner Name	N/A
Sheet	2	of	3	Attorney Docket Number	2003-IP-005305 (1391-45100)

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue numbers(s), publisher, city and/or country where published.	T ²
	AA	ANDERSEN, A., et al, "Feasibility Study of Shape Memory Alloys in Oil Well Applications," <i>Sintef Petroleum Research</i> , 01/97, pp. 1-5, 58, 60, 63, 66-67, 83, 85-86.	
	AB	"Design of Fluid Systems, Steam Utilization," <i>Spirax Sarco</i> , 1951, pp. 1-8, 21-27, 68-71.	
	AC	DOAN, L.T., et al, "Performance of the SAGD Process in the Presence of Water Sand- A Preliminary Investigation," <i>Journal of Canadian Petroleum Technology</i> , January 2003, Vol. 42, No.1, pp. 25-41.	
	AD	ERLANDSEN, SIGURD, et al, "World's First Multiple Fiber Optic Intelligent Well," <i>World Oil</i> , March 2003, Vol. 224, No. 3, 8 pages.	
	AE	Figure 9, Typical Steam Circuit, "Design of Fluid Systems: Steam Utilization," <i>Spirax Sarco</i> , Copyright 1985, p. 11.	
	AF	NASR, T.N., et al, "Novel Expanding Solvent-SAGD Process ES-SAGD," <i>Journal of Canadian Petroleum Technology</i> , Technical Note, 4 pages.	
	AG	NASR, T.N., et al, "SAGD Application In Gas Cap and Top Water Oil Reservoir," <i>Journal of Canadian Petroleum Technology</i> , January 6, 2003, pp.32-38.	
	AH	POTMA, J., et al, "Thermal Horizontal Completions Boost Heavy Oil Production," <i>World Oil</i> , February 2003, pp. 83-85.	
	AI	Total Canada- Request for Proposal- SAGD Steam Diversion Systems, Methods, and Cost Estimate, 3 pages.	
	AJ	WALLS, E., et al, "Residual Oil Saturation Inside the Steam Chamber During SAGD," <i>Journal of Canadian Petroleum Technology</i> , January 2003, Vol. 42, No. 1, pp. 39-47.	
	AK	http://www.conocophillips.com/canada/news/032502_gas_bitumen.asp , 10/1/2003, 2 pages.	
	AL	http://www.conocophillips.com/canada/ops/surmont.asp , 10/1/2003, 2 pages.	
	AM	Fluid Injection into Tight Rocks, http://www.132.175.127.176/ngotp/projects/ngotp.cfm?ProjectID=OGRT-010 , 8/11/2003.	
	AN	P.C. McKenzie Company, "How does an Amot Thermostic Control Valve Work?" http://www.mckenziecorp.com/amot_valve.htm , 9/4/2003.	

Examiner Signature		Date Considered	7/28/05
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Sheet	3	of	3	Attorney Docket Number	2003-IP-005305 (1391-45100)

NON PATENT LITERATURE DOCUMENTS

~	AO	GIULIANI, C., et al; "Flow Rate Allocation in Smart Wells"; High-Tech Wells Conference, February 11-13, 2003; Galveston	
	AP	1995 Press Release; "Halliburton Introduces Durasleeve For Easier Shifting, Better Seal and Lower Total Costs"; http://www.halliburton.com/news/archive/1995/hesnws_100995.jsp ; 1 page	
	AQ	Flow Control – Systems and Products – Sliding Sleeves; Baker Hughes; http://www.bakerhughes.com/bot/completions/flow_control/products_sliding.htm ; 1 page	
	AR	Well Dynamics – Transforming Reservoirs Using SmartWell Technology, http://www.welldynamics.com/main.htm ; 8 pages	
	AS	Steam Assisted Gravity Drainage (SAGD); Alberta Energy Research Institute; http://www.aeri.ab.ca/sec/suc_sto/suc_sto_001_2.cfm ; 2 pages	
	AT	In Situ Technology, http://www.energy.gov.ab.ca/com/Sands/Royalty+Info/Royalty+Related+Info/The+Ne , 1 page	
	AU	North American Oil Reserves 2001; Alberta Energy Research Institute, http://www.energy.gov.ab.ca/cmn/docs/Oil_Reserves_2001.pdf ; 2 pages	
~	AV	BlackRock Seeks Approval to Develop Orion SAGD Project, http://www1.newswire.ca/releases/August2001/02/c6924.html .	

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Title of Invention	Thermally-Controlled Valves And Methods Of Using The Same In A Wellbore																																																																																																																		
<div style="display: flex; justify-content: space-between;"> <div> <p>Application Number: 10/681020</p> <p>Confirmation Number: 6184</p> <p>First Named Applicant: David Steele</p> <p>Attorney Docket Number: 1391-45100</p> <p>Art Unit: 3672</p> <p>Search string: (6433991 or 6053992 or 6607036 or 5613634 or 5199497 or 4619320 or 6588500 or 6257334 or 5957202 or 5860475 or 5085275 or 4641710 or 20030155113 or 20030155111).pn.</p> </div> <div style="text-align: right;"> <p>*10/681020*</p> </div> </div> <p>US Patent Documents</p> <p>Note: Applicant is not required to submit a paper copy of cited US Patent Documents</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>init</th> <th>Cite.No.</th> <th>Patent No.</th> <th>Date</th> <th>Patentee</th> <th>Kind</th> <th>Class</th> <th>Subclass</th> </tr> </thead> <tbody> <tr><td>✓</td><td>1</td><td>6433991</td><td>2002-08-13</td><td>Deaton et al.</td><td></td><td>361</td><td>191</td></tr> <tr><td></td><td>2</td><td>6053992</td><td>2000-04-25</td><td>Wu et al.</td><td></td><td>148</td><td>402</td></tr> <tr><td></td><td>3</td><td>6607036</td><td>2003-08-19</td><td>Ranson et al.</td><td></td><td>166</td><td>302</td></tr> <tr><td></td><td>4</td><td>5613634</td><td>1997-03-25</td><td>Veronesi et al.</td><td></td><td>236</td><td>101</td></tr> <tr><td></td><td>5</td><td>5199497</td><td>1993-04-06</td><td>Ross</td><td></td><td>166</td><td>381</td></tr> <tr><td></td><td>6</td><td>4619320</td><td>1986-10-28</td><td>Adnyana et al.</td><td></td><td>166</td><td>65.1</td></tr> <tr><td></td><td>7</td><td>6588500</td><td>2003-07-08</td><td>Lewis</td><td></td><td>166</td><td>61</td></tr> <tr><td></td><td>8</td><td>6257334</td><td>2001-07-10</td><td>Cyr et al.</td><td></td><td>166</td><td>272.7</td></tr> <tr><td></td><td>9</td><td>5957202</td><td>1999-09-28</td><td>Huang</td><td></td><td>166</td><td>272.3</td></tr> <tr><td></td><td>10</td><td>5860475</td><td>1999-01-19</td><td>Ejiogu et al.</td><td></td><td>166</td><td>245</td></tr> <tr><td></td><td>11</td><td>5085275</td><td>1992-02-24</td><td>Gondouin</td><td></td><td>166</td><td>303</td></tr> <tr><td>✓</td><td>12</td><td>4641710</td><td>1987-02-10</td><td>Klinger</td><td></td><td>166</td><td>303</td></tr> </tbody> </table> <p>US Published Applications</p> <p>Note: Applicant is not required to submit a paper copy of cited US Published Applications</p> <table border="1" style="width: 100%; border-collapse: collapse; height: 40px;"> <tr> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> </tr> </table>		init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass	✓	1	6433991	2002-08-13	Deaton et al.		361	191		2	6053992	2000-04-25	Wu et al.		148	402		3	6607036	2003-08-19	Ranson et al.		166	302		4	5613634	1997-03-25	Veronesi et al.		236	101		5	5199497	1993-04-06	Ross		166	381		6	4619320	1986-10-28	Adnyana et al.		166	65.1		7	6588500	2003-07-08	Lewis		166	61		8	6257334	2001-07-10	Cyr et al.		166	272.7		9	5957202	1999-09-28	Huang		166	272.3		10	5860475	1999-01-19	Ejiogu et al.		166	245		11	5085275	1992-02-24	Gondouin		166	303	✓	12	4641710	1987-02-10	Klinger		166	303										
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7	2	20030155111	2003-08-21	Vinegar et al.		166	59

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Confirmation Number: 6184

First Named Applicant: David Steele

Attorney Docket Number: 1391-45100

Art Unit: 3672

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